



OUTBOARD MARINE CORPORATION

100 Sea Horse Drive Waukegan, Illinois 60085-2195 Phone 847/689-6200

2 September 1997

Mr. Michael E. Bellot Remedial Project Manager /Waukegan Harbor Site On-Scene Coordinator U.S. Environmental Protection Agency 77 W. Jackson Boulevard SR-6J Chicago, IL 60604-3590

VIA CERTIFIED MAIL

RE: Waukegan Harbor Superfund Site
United States of America and the People of the State of Illinois
vs. the Outboard Marine Corporation
Civil Action #88 C 8571
Transmittal of Quarterly Report

Dear Mr. Bellot:

As called for in the subject consent decree, OMC herein submits a quarterly report for the period ending August 31, 1997. Please note the discussion of the treatment system operational difficulties and resulting maintenance activities. If you have any questions, please feel free to call me at 847/689-5228 or Roger Crawford at 847/689-5219.

Sincerely,

Tricia Sutton

Senior Environmental Specialist

Manager - Remediation

enclosure

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cc:

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QUARTERLY PROGRESS REPORT

JUNE 1, 1997 THROUGH AUGUST 31, 1997

WAUKEGAN HARBOR REMEDIAL ACTION

QUARTERLY PROGRESS REPORT JUNE 1, 1997 THROUGH AUGUST 31, 1997 WAUKEGAN HARBOR REMEDIAL ACTION

This report presents a quarterly report for the above specified time period for the Waukegan Harbor Superfund Site pursuant to the Consent Decree for remedial action.

WORK COMPLETED, NEW DATA AND TEST RESULTS

2 10 0

Attachment 1 contains copies of Discharge Monitoring Reports for NPDES Permit No. IL0002267 for May, June, and July 1997.

Pumping with the Category 5 water treatment system to decrease the water level of the West Containment Cell occurred during June, July, and August. Pumping of the Slip No. 3 Containment Cell occurred during August. The East Containment Cell treatment system was started briefly during August and a leak was discovered so the system was shut down until repairs can be scheduled. Tables 1a, 1b, and 1c summarize the analytical results received during the quarter for samples collected from the Category 5 water treatment systems. Attachment 2 contains copies of the analytical reports received for the treatment plant samples. Tables 2a, 2b, and 2c summarize the Category 5 water treatment plant operational data for the Slip No. 3, East, and West Containment Cells respectively.

A number of difficulties occurred with the treatment system operation during the quarter:

- The chlorinator for the West Containment Cell system apparently built up excessive pressure and burst while unattended. The problem was discovered in early June when inspecting the system for pumping. That system was repaired and pressure relief valves were added to all three systems. The pressure relief valve on the East Cell system corroded after installation and leaks water, preventing the system from being used until repairs can be made.
- When operating the West Cell system, a problem occurred with water on the floor. After detailed testing and checking by the manufacturer, Great Lakes Carbon Treatment, it was determined that the water was from excessive accumulation of condensation due to hot, humid summer weather. The floor sump drains are designed to serve for emergency purposes and were not intended to drain quickly or to handle continual water. The floors do not drain well to the sump due to the weight of the carbon vessels so there is standing water on the floor during operation. Modifications are being reviewed to help reduce the amount of effort required to address the condensation problems. The water on the floor does not effect operation except when accumulation exceeds the ability of the sump to drain and the water sets off the sump alarm.

- The Slip No. 3 recovery wells are producing higher amounts of fine sediments than at the other containment cells. There is also evidence that the screens may becoming fouled or plugged, possibly due to bacterial precipitation as well as sediment. The wells cycle on and off frequently as if the are not producing water properly. The wells will be refurbished as done last year by addition of chlorine to kill off bacteria and then treatment with an acidic solution to clean the screen.
- Apparently due to sediment, one of the influent sample ports and a couple valves in the Slip No. 3 system appear to be clogged and not operating fully. The treatment system can operate safely until maintenance can be scheduled.

Tables 3, 4, and 5 present water level measurements collected this quarter for the Slip No. 3, East, and West Containment Cells respectively. An inward hydraulic gradient was maintained at the containment cells throughout the quarter. Table 6 presents water level measurements for the Temporary Designated Soil Stockpile.

Monitoring well W-4, at the Slip No. 3 containment cell has a flush-mounted protective casing. The casing has not been sealing properly to allow the locking cap to be placed on it. The casing was replaced during August, the well standpipe cut down a few inches, and the reference elevation was resurveyed.

Some of the concrete protectors around monitoring wells, recovery wells, and piezometers are too high for comfortable worker access to read water levels and collect samples. To make the well access more ergonomic, portions of the concrete protectors were cut out. In addition, grates equipped with locks were added over the recovery wells.

PLANS FOR NEXT OUARTER

Repairs and modifications described earlier in this report will be completed for the Category 5 Treatment Systems.

Semi-annual groundwater monitoring will be scheduled during October. Monitoring well W-4 will be re-developed at least a week prior to the next groundwater sampling event to be sure that it has not been affected by surface sediments and surface water that might have drained into it while the flush-mounted casing was not fully secured.

LEGAL ISSUES

Magistrate Judge Joan H. Lefkow issued a report and recommendation on motions pertaining to disputed oversight cost charges for 1993, 1994 and 1995 on July 21, 1997 and the report was entered into the docket on July 23, 1997. In her report, Judge Lefkow recommended that US EPA be reimbursed the disputed costs for 1993 and 1994. With respect to disputed costs for 1995, she recommended that EPA be reimbursed except for \$2,804.92 based on US EPA's failure to file a responsive submission. Judge Lefkow also recommended that no interest be charged on disputed amounts.

On August 15, 1997, Outboard Marine Corporation (OMC) filed its objections to the Magistrate's report and recommendation along with a supporting memorandum. US EPA sought and obtained an enlargement of time in order to respond to OMC's objections to the Magistrate's report and recommendation until September 5, 1997.

There have been no other legal developments during the past quarter.

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TABLE 1

FOURTH QUARTER 1996 CATEGORY 5 WATER TREATMENT PCB ANALYTICAL RESULTS WEST CONTAINMENT CELL¹ WAUKEGAN HARBOR REMEDIAL ACTION

	Sample	Results:
Sample I.D.	PCB (ug/l) 6/13/97	PCB (ug/l) 6/19/97
T5E	ND	ND
T5I	2.05 (1248)	4 (R-5) (1248) ND (R-6)
T5-ID	2.18(1248)	
T5-LC	ND	ND

Notes:	T5 = Category 5 Water Treatment System	
	E = System Effluent	
	LC = Lead Carbon Effluent	
	i = influent	*
	D = Duplicate	ž.
	B = Blank	
	= Not collected	
	ND = Not detected/below laboratory detection	n limit
	R = Recovery well and number (Influent samples	for the treatment systems
	may be collected either from a combined influent	
	recovery wells.)	-

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The West and Slip No. 3 Containment Cell treatment systems were again sampled on 8/21/97 but the analytical results were not available to include in this report.

Discharge Monitoring Data Certified by Patricia Anne Sutton

OMC Project Coordinator

TABLE 2a CATEGORY 5 WATER TREATMENT PLANT OPERATIONAL DATA SLIP NO. 3 CONTAINMENT CELL

DATE/TIME	TOTALIZER R-1	TOTALIZER R-2	GALLONS PER PERIOD	GALLON S TOTAL	COMMENT
8/21/97 10:45	172815 (off)	148186			Checked system for start-up. Pumped with R-2 only. Sump float and high pressure shut-offs tested ok. R-2 cycles on and off frequently, e.g., after only pumping < 10 gals (< 1 minute). Changing flow rate does not affect pumping cycle. Otherwise system runs well.
8/21/97 14:45	172815 (off)	149336	1150	1150	R-2 still cycling on & off frequently. Collected treatment system samples.
8/21/97 15:00	172815 (off)	149420	84	1234	Shut down system and added 1 gal. commercial chlorine bleach to both wells.
8/25/97 15:30	172815	149420		1234	Checked & changed Rosedale filter bag. Bag was stained very dark(brown/black) with fine sediment in it. Checked floor sump float and high pressure shut-offs. Both work properly. Individual well influent sample ports work ok but combined system effluent sample port appears clogged (does not yield water when open). Tested both well pumps and started system. R-2 still cycling on and off frequently and appears that may either be clogged or pump sensors are malfunctioning. Decided to let pump run for awhile to see if well opens up. R-1 seemed to have air in line but pumps ok. Rosedale pressure increases from 18 psi when only R-1 is on to 30-31 psi when both wells are pumping. Lead carbon vessel pressure also increases slightly also with both wells pumping.
8/27/97 11:55	187754	160259	25778	27012	R-2 still cycling frequently. Filter Pressure still varies (increases) when both wells are pumping. Some condensation on accumulating on floor by tanks.
8/27/97 11:25	194090	165320	11397	38409	Shut off both pumps and changed filter bag. Lots of fine light brown colored sediment in bag. Valve under Rosedale filter is tight/hard to open/close. Restarted only R-1 and will schedule R-2 for maintenance.
8/29/97 07:35	201650	165320	7560	45969	Something in control panel makes periodic buzz/hum. Seems to be right before well (R-1) shuts off. R-1 is now cycling on/off frequently. Reduced flow rate some but still cycles. Well may need maintenance.

TABLE 2b CATEGORY 5 WATER TREATMENT PLANT OPERATIONAL DATA EAST CONTAINMENT CELL

DATE/TIME	TOTALIZER R-3	TOTALIZER R-4	GALLONS PER PERIOD	GALLONS TOTAL	COMMENT
8/21/97 10:00	237782	273991			Checked system for start-up. Slight chlorine odor in building. The brass pressure relief valve has corrosion on it's ID plate. Started up system at 10:10 with both wells R-3 and R-4 pumping. Both well pumps work fine. After a few gallons are pumped, drip leak in pressure relief valve becomes apparent (even though valves to chlorinator appear shut). Shut down system and drained liquid out of chlorinator loop and shut valves to chlorinator to cut off flow. Restarted system and leak still occurs. Valve to chlorinator loop must leak water into loop even when they are in closed position. Valves and pressure relief device will need to be repaired before system may be operated. Repairs will be scheduled.

TABLE 2c CATEGORY 5 WATER TREATMENT PLANT OPERATIONAL DATA WEST CONTAINMENT CELL

DATE/TIME	TOTALIZER R-5	TOTALIZER R-6	GALLONS PER PERIOD	GALLONS TOTAL	COMMENT
6/9 /97					Went out to inspect system for start-up. Found major damage to system. Chlorinator loop apparently built up pressure and burst. There is damage to piping in vicinity of chlorinator, insulation damage, and many items are corroding from the acid liquid/vapor emitted.
6/11-12/97					Great Lakes Carbon Treatment completed repairs of the West cell system and added a pressure relief valve to the chlorinator of all three treatment systems.
6/12/97 15:00	219665	173720			Start-up of system after repairs. Tested floor sump float shut-off which works ok. Tested high pressure shut-off which works ok. Shut off system to change Rosedale filter bag. Restarted to complete test/observations for system leaks; no leaks observed. System ok.
6/12/97 15:50	219845	173911	371	371	Shut down after testing/inspection.
6/13/97 08:20	219845	173911			Start-up of system.
6/13/97 09:10	220374	174332	950	1321	Collected samples for analysis.
6/14/97 15:10	238425	188741	33642	34963	System running ok.
6/16/97 09:00	263460	209070	45364	80327	Ok.
6/17/97 10:00	278820	221390	27680	108007	Ok.
6/18/97 10:00	293380	233400	26660	134667	Ok.
6/19/97 10:30	308100	245500	26820	161487	Ok.
6/20/97 10:30	321810	256990	25200	186687	Turned R-5, R-6 down to 8 g.p.m. each.
6/23/97 10:00	356220	293180	70600	257287	Ok.
6/24/97 16:20	366303	303715	20618	277905	Received call from Security regarding building alarm flashing. Inspected system and there was water on floor. Opened sump drain to remove water and reset alarm. Shut off pumping wells.

TABLE 2c - Continued CATEGORY 5 WATER TREATMENT PLANT OPERATIONAL DATA WEST CONTAINMENT CELL

DATE/TIME	IOTALIZER R-5	TOTALIZER R-6	GALLONS PER PERIOD	GALLONS TOTAL	COMMENT			
8/6/97 13:00					John Etling of Canonie/Smith installs grates on recovery wells. OMC has concrete cut-outs from part of some of well protectors that are too high so there is better access fro water level measurement.			
8/7/97 12:08	446505	410534			Maintenance worker repaired sump float. Restarted System.			
8/8/97 12:10	454468	423700	35983	612509	Rosedale pressure surges up and down. Some condensation on floor. Heavy condensation on tanks and pipes.			
8/11/97 10:50	477285	4858887	43432	655941	Condensation on floor. Rosedale pressure bouncing. Floor sump shut-off shut system dow while trying to clear some of water off floor. When restarted with only one well on, Roseda pressure was more stable and lower (15 psi) but with both wells on, pressure is close to 30			
8/12/97 13:45	485530	471380	20738	676679	Decided to shut off R-5 and only pump with R-6.			
8/12/97 19:00	485533	473078	1701	678380	Call from Security about system light alarm. Water on floor is too high and sump float set off high water alarm. Sump is not draining fast enough to keep up with amount of condensation. Shut off system control. Water will need to be vacuumed off floor with shop vac before restart system.			
8/13/97 10:00	(off)	(off)			Inspected system. Water level has not gone down enough.			
8/14/97 06:00	(off)	(off)			Vacuumed about 10 gallons water off of floor into transfer tank.			
8/14/97 08:30	485533	473078			Restart system with R-6 pumping.			
8/14/97 10:00	(off)	473900	822 -,	679202	No condensation building up. Pretty cool and dry (weather). Turned pumping rate down to 5-6 gal/min.			
8/14/97 13:00	(off)	474740	840	680042	Still no condensation. R-6 pumping at 5 g.p.m.			
8/15/97 12:00	(off)	481680	6940	686982	A lot more humid today. Still not too bad; no water on floor. (Fan off; no new air to dehumidify).			
8/16/97 08:00	(off)	485530	3850	690832	Ok.			

TABLE 2c - Continued CATEGORY 5 WATER TREATMENT PLANT OPERATIONAL DATA WEST CONTAINMENT CELL

DATE/TIME	TOTALIZER R-5	TOTALIZER R-6	GALLONS PER PERIOD	GALLONS TOTAL	COMMENT
6/25/97 00:25 (midnight)	(off)	(off)	••		Received call from Security. Alarm light on again. Told them system is off and should be ok until morning.
6/25/97 07:20	(off)	(off)			Checked system. Sump is full again. Opened sump and left open to drain water. Reset alarm. Possible tank leak; will schedule inspection/repair with Great Lakes Carbon Treatment.
6/27/97 08:35	(off)	(off)			Inspected system again. Floor has dried. Can not tell where leak may have been from. Closed sump valve. Great Lakes contacted.
6/30/97 14:30	(off)	(off)			Great Lakes arrived about 12:30 to check system. They reported they started system to test it and could not find a leak (did pressure tests, etc.) but think it might be from excessive condensation. Tanks are sweating a lot. Suggested we check it after running for awhile (and in morning too).
6/30/97 18:10	369010	306610	5602		Checked for water. There is water that appears to be from condensation. Tanks are sweating a little less than during the day. Mopped up some of the water but still some pooled on floor. Otherwise, system seems to be running ok.
7/2/97	390124	329035	43539	327046	Checked system. Water on floor apparently from condensation. Opened sump so floor will drain and hopefully prevent shutdown.
7/3/97 16:05	402173	341465	136079	463125	Shut down system.
7/30/9 7 16:30	402173	341465			Checked system. Started system.
7/31/97 07:25	407006	350250	13618	476743	System looks good. Only minimal sweating/condensation on tanks/pipes.
8/1/97 17:10	418136	368672	29552	506295	Condensation/water on floor. Tanks and piping showing notable sweating. Opened sump drain & cleared some water off floor. Left drain open for weekend to drain off water.
8/4/97 07:55	439930	399613	51635	557930	Floor covered with water but system running ok. Appears to be condensation.
8/5/97 07:25	446505	410533	18596	576526	Less sweat on tanks but much water still on floor. When pushing water to sump, high level float shut off goes off. Attempted restart at 07:40 but sump not draining well enough. Bumped floor sump float with mop and it broke off. Shut system completely with control switch to turn off alarm. Will discuss system modifications with Great Lakes.

TABLE 2c - Continued CATEGORY 5 WATER TREATMENT PLANT OPERATIONAL DATA WEST CONTAINMENT CELL

DATE/TIME	TOTALIZER R-5	TOTALIZER R-6	GALLONS PER PERIOD	GALLONS TOTAL	COMMENT
8/18/97 11:30	(off)	502360	16830	707662	Some water on floor.
8/21/97 08:35 09:30	(off)	521858 522120	19498 262	727422	Some water on floor by tanks. Collected system samples.
8/25/97 15:20	(off)	550461	28359	755781	Some water on floor in aisle .
8/27/97 15:45	485533 (off)	563838	13377	769158	Tested floor sump float and high pressure shut-off. Both work fine. Demonstrated system operational procedures to new contract technician, including valving for backfluffing of carbon vessels (backfluffed tank A for 4 mins./approx 20 gals.).
8/28/97 11:00	(off)	569050	5212	774370	Some condensation on floor.
8/29/97 07:25	(off)	574657	5607	779977	Condensation covering most of floor around tanks (not quite to sump yet).

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TABLE 3

SLIP 3 CONTAINMENT CELL GROUND WATER DATA WAUKEGAN HARBOR REMEDIAL ACTION

		W-1	P-1	W-2	P-2	W-3	P-3	W-4	P-4	R-1	R-2
	T.O.R.	586.49	587.59	587.52	587.94	585.97	588.61	583.00	587.54	590.60	591.17
DATE		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
July 1, 1997	DEPTH	4.11	10.41	5.11	11.45	3.59	12.15	1.09	11.30	14.28	15.00
3:00 pm	ELEV.	582.38	577.18	582.36	576.49	582.38	576.46	581.91	579.72	576.32	576.17
	DIFF.	5.20		5.87		5.92		2.19		 	
 July 30, 1997	DEPTH	 4.12	10.12	5.01	11.16	3. 5 1	11.85	0.75	11.11	13.47	14.84
10:45 am	ELEV.	582.37	577.47	582.46	576.78	582.46	576.76	582.25	579.91	577.13	576.33
<u></u>	DIFF.	4.90		5.68		5.70		2.34			
August 4,			Laurence		· · · · · · · · · · · · · · · · · · ·						
1997	DEPTH	4.18	10.04	5.08	11.04	3.58	11.74	0.80	10.95	14.63	13.82
	ELEV.	582.31	577.55	582.39	576.90	582.39	576.87	582.20	580.07	575.97	577.35
	DIFF.	4.76	· 	5.49		5.52		2.13			
August 8, 1997		Protective cover at W-4 replaced. Work required removing a few inches of well pipe. Elevation resurveyed.									
					New elevation of Top of Pipe:			582.83			
				1.	New elevation	of grade:		583.24			
		Formulas corrected for future calculations to reflect new reference elevation. (But page header not changed).									

TABLE 4

EAST CONTAINMENT GROUND WATER DATA
WAUKEGAN HARBOR REMEDIAL ACTION

		W-5	P-5	W-6	P-6	W-7	P-7	W-8	P-8	R-3	R-4
_	T.O.R.	588.80	587.90	588.31	587.96	586.71	587.08	586.67	587.86	591.93	591.98
DATE		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft) (et al.	(ft)	(ft)	(ft)
7/1/97	DEPTH	6.27	8.61	5.79	8.57	4.35	7.55	4.25	8.52	12.59	12.76
7:45 am	ELEV.	582.53	579.29	582.52	579.39	582.36	579.53	582.42	579.34	579.34	579.22
	DIFF.	3.24		3.13		2.83		3.08			
								^Note W-8	measured 6	/30,3:30 p.n	n.
8/4/97	DEPTH	6.20	8.53	5.78	8.52	4.21	7.47	4.00	8.45	10.45	12.66
	ELEV.	582.60	579.37	582.53	579.44	582.50	579.61	582.67	579.41	581.48	579.32
	DIFF.	3.23		3.09		2.89		3.26			

TABLE 5
WEST CONTAINMENT GROUND WATER DATA
WAUKEGAN HARBOR REMEDIAL ACTION

		W-9	P-9	W-10	P-10	W-11	P-11	W-12	P-12	R-5	R-6
	T.O.R.	587.81	588.01	587.51	587.52	589.26	588.12	587.13	587.80	603.83	601.56
DATE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(ft)	(ft)	(ft)	(ft)	(ft)	(ft).∴	(ft)	(ft)	(ft)	(ft)
June 10, 1997	DEPTH	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	4.59	5.93	Not Taken	Not Taken
11:20 am	ELEV.							582.54	581.87		-
	DIFF.							0.67			
June 13, 1997	DEPTH	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	4.88	5.96	25.57	28 72
8:50 am	ELEV.	-						582.25	581.84	578.26	572.84
	DIFF.							0.41			
June 16, 1997	DEPTH							4.05	6.44	Not Taken	Not Taken
11:00 am	ELEV.	587.81	588.01	587.51	587.52	589.26	588.12	583.08	581.36	-	
	DIFF.	-0.20		-0.01		1.14		1.72			
June 20, 199 7	DEPTH	5.02	8.20	4.62	7.40	5.79	8.73	4.75	7.10	28.67	31.86
10:00 am	ELEV.	582.79	579.81	582.89	580.12	583.47	579.39	582.38	580.70	575.16	569.70
	DIFF.	2.98		2.77		4.08		1.68			
July 1, 1997	DEPTH	4.98	8.47	4.44	8.39	5.98	8.92	4.65	7.41	28.66	32.39
8:10 am	ELEV.	582.83	579.54	583.07	579.13	583.28	579.20	582.48	580.39	575.17	569.17
to 14:20	DIFF.	3.29		3.94		4.08		2.09			
July 30, 1997	DEPTH	4.59	7.64	4.38	7.49	5.97	8.17	4.34	6.81	23.87	21.32
3:45 pm	ELEV.	583.22	580.37	583.13	580.03	583.29	579.95	582.79	580.99	579.96	580.24
	DIFF.	2.85		3.10		3.34		1.80			
August 4, 1997	DEPTH	4.98	8.91	4.53	8.69	6.11	9.16	4.71	7.62	27.73	
7 tagast 4, 1557	ELEV.	582.83	579.10						580.18		
	DIFF.	3.73	0.0.10	4.15	 	4.19		2.24	000.10	370.10	501.50
August 27, 1997	DEPTH	4.51	9.17	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken
3:57 pm	ELEV.	583.30	578.84	-							
	DIFF.	4.46								[

TABLE 6
TEMPORARY DESIGNATED SOIL STOCKPILE (PNA Ceil)
WATER LEVEL READINGS
WAUKEGAN HARBOR REMEDIAL ACTION

	READING				
READING	ABOVE	ELEVATION	ACTION	DIFFERENCE	COMMENTS/
DATE	SUMP	(feet MSL)	LEVEL	(IN INCHES)	INSPECTION NOTES
	(IN INCHES)		(feet MSL)		
06/27/97	34.50	585.69	586.14	-5.46	Bird has vacated nest on manhole cover. Removed old nest. Odor of droppings is pervasive. Cover of cell ok. Some weeds have started to grow in low areas of cover where mud has accumulated.
07/30/97	35.50	585.77	586.14	-4.46	Cover Ok.
08/27/97	36.00	585.81	586.14	-3.96	Cover Ok.

ATTACHMENT 1 DISCHARGE MONITORING REPORTS



OUTBOARD MARINE CORPORATION

100 Sea Horse Drive Waukegan, Illinois 60085-2195 Phone 847/689-6200

June 27, 1997

Mr. Dan Ray
Illinois Environmental Protection Agency
Division of Water Pollution Control
Compliance Assurance Section
2200 Churchill Road
Springfield, IL 62794-9276

Re:

Discharge Monitoring Report - May 1997

NPDES Permit No. IL 0002267

Dear Mr. Ray:

Enclosed is the May 1997, Discharge Monitoring Report for the OMC Waukegan facility.

Flow data was not collected for outfall 008, due to a transmitter failure that was not discovered during this reporting period. Subsequent to our discovery, the flow meter for outfall 008 is being read manually, pending repair of the computerized recording system. Typically outfall 008, which is an overflow from outfall 007, has little or no flow.

If you have any questions regarding this matter, I can be contacted at 847 / 689-5363.

Sincerely,

Anthony M. Montemurro, CHMM Environmental Control Specialist

OMC Waukegan

encl.

cc:

L. Keller

B. Kuester

J. Moran

dray178.97

							٦						
PERMITTEE NAME:	OMC WAUK	EGAN - FACILI	TY OF OUTBOA	ARD MARINE C	ORPORATION		•			COMMENT	S		
ADDRESS:	100 SEA-HO WAUKEGAN		ATTN: ANTI	HONY MONTEN	IURRO								
PHONE:	(847)689-536	33											
(4-16) IL 00022 ST PERMIT NO.	67	(17-19) 001 DIS	3519 SIC	_}	21' 48"		19' 18" GITUDE						
REPORTING	PERIOD FROM	$\int_{-\infty}^{\infty}$	(22-23) (24-25) 0 5 0 1 MO DAY	10 [(28-27) (28-29) 9 7 0 6 YEAR MO	3 0	(30-31) DAY						
(32-37)		3 card only	QUAN	ITITY			li and anti	CONC	ENTRATION			(64-68) FREQUENCY	(68-70)
	ĺ	(38-34)	(46-53)	(54-61)		(62-62)	4 card only (38-45)	(46-53)	(54-61)		(82-83)	OF	SAMPLE
PARAMETER		MINIMUM	AVERAGE	MAXIMUM	UNITS	NO EX.	MINIMUM	AVERAGE	MAXIMUM	UNITS	NO EX.	ANALYSIS	TYPE
	REPORTED	0.270	0.328	0.390	10°	0						4/30	24 HOUR
FLOW	PERMIT CONDITION				Gallons							1/30	24 HOUR
ЭН	REPORTED						7.2	7.2	7.2		O	1/30	GRAB
(00440)	PERMIT CONDITION]		6		9			1/30	GRAB
TEMPERATURE	REPORTED		<u> </u>				60	60	60		0	1/30	GRAB
(00010)	PERMIT CONDITION]					r≠		1/30	GRAB
POLYCHLORINATED	REPORTED						<0.0005	<0.0005	<0.0005		0	1/7	24 HOUR
BIPHENYLS	PERMIT CONDITION				1				0.005	mg/l		1/7	24 HOUR
	REPORTED		<u> </u>			П							
	PERMIT CONDITION		-							1			
	REPORTED		-										
	PERMIT CONDITION				1]			
	REPORTED										T		
	PERMIT CONDITION			1									
	REPORTED	 											
	PERMIT CONDITION		<u> </u>	 	1] ,	2		1
NAME OF PRINCIPAL EXECU			F THE OFFICER		DATE		I certify that I a.	m familiar with the Info	onnation contained	1	77	Z	110
POOLE, GLENN	Ε.	PLANT	MANAGER	9	7 0 6 2	7		nd that to the best of i nmation is true, comp				JRE OF PRINCIPL	E EXECUTIVE
AST FIRST	Mi		man la mathada a d			DAY	1					ER OR AUTHORIZ	

IL532-0092 WPC 242 11/79 This Agency is authorized to require this information under thinois Revised Statutes, 1979, Chapter 111 ½, Section 1042 Disclosure of this information is required, Failure to do so may result in a civil penalty up to \$10,000.00 per day of violation or a fine up to \$25,000.00 per day of violation and imprisonment up to one year. This form has been approved by the Forms Management Center.

IEPA - Region II

PERMITTEE N	IAME:	OMC WAUKE	GAN - FACILI	TY OF OUTBOA	RD MARINE	CORPORATION		1			COMMEN	rs		
ADDRESS:		100 SEA-HOF WAUKEGAN,		ATTN: ANTI	IONY MONTE	MURRO			* DUE TO THE I DECEMBER 19				_	
PHONE:	·	(847)689-536:	3					1					•	
L,														
(2-3) /L	0002		006	7 7540	7									
ST	PERMIT		DIS	3519 SIC		° 21' 51"		19' 17" SITUDE						
	Literia	TOMOLIT	J											
a	REPORTIN	G PERIOD FROM		(22-23) (24-25) D 5 0 1 MO DAY	то	9 7 0 YEAR MO	6 0	30-31) 1 DAY					(64-68)	(68-70)
	,	30	ard only	QUAN	TITÝ			4 card only	CONC	ENTRATION		Т	FREQUENCY	
PAI	RAMETER		(38-34) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(62-62) NO EX.	(38-45) MINIMUM	(48-53) AVERAGE	(54-61) MAXIMUM	UNITS	(82-63) NO EX	OF ANALYSIS	SAMPLE TYPE
		REPORTED	•	٠	•	104		*	•	•				24 HOUR
FLOW		PERMIT CONDITION				Gallons							1/7	24 HOUR
ρΗ		REPORTED						•	•	•				GRAB
(00440)		PERMIT CONDITION				1		6		9			1/30	GRAB
TEMPERATI	JRE	REPORTED						•	•	•				GRAB
(00010)		PERMIT CONDITION		,	··			<u> </u>			9 F		1/30	GRAB
OIL & GREA	SE	REPORTED						•	•	•				GRAB
(00550)		PERMIT CONDITION	—-			1			15	30	mg/l		1/30	GRAB
POLYCHLO	RINATED	REPORTED			-			•	•	•				24 HOUR
BIPHENYLS		PERMIT CONDITION								0.005	mg/l		1/7	24 HOUR
		REPORTED												
		PERMIT CONDITION				-								
		REPORTED												
		PERMIT CONDITION				-					1			
		REPORTED												
		PERMIT				7		<u> </u>			1			
NAME OF	PRINCIPAL EXECU	CONDITION	TITLE OF	THE OFFICER	<u> </u>	DATE		I certify that I	am familiar with the info	mation contained				11 2
	6. m								and that to the best of m formation is true, comple		1,79		w O.	Table
POOLE,	GLENN FIRST	<i>E.</i>	TITLE	IANAGER		7 0 6 AR MO	2 7 DAY				s		RE OF PRINCIPLE R OR AUTHORIZ	
IL532-0092 WPC 242 11/79)			ncy is authorized to rec		under Illinois Revised							PAGE	2 OF 8

IEPA - Region II

PERMITTEE NAME:

OMC WAUKEGAN - FACILITY OF OUTBOARD MARINE CORPORATION

ADDRESS:

100 SEA-HORSE DRIVE

WAUKEGAN, IL 60085

ATTN: ANTHONY MONTEMURRO

TO

PHONE:

(847)589-5363

(2-3)	(1·16)	(17-19)			
IL	0002267	007	3519	42°22'6"	87°48' 54"
ST	PERMIT NUMBER	DIS	SIC	LATITUDE	LONGITUDE

(20-21) (22-23) (24-25) REPORTING PERIOD FROM 0 | 5 0 | 1 YEAR MO DAY

(26-27) (28-29) (30-31) 0 | 0 | YEAR MO DAY

(32-37)		TEAR]	MO DAT		TEAR MO		UAT					(84-66)	(68-70)
		3 card only	AUQ	NTITY			4 card only	CONC	ENTRATION			FREQUENCY	
i	1	(38-34)	(46-53)	(54-81)	•	(62-62)	(38-45)	(46-53)	(54-61)		(62-63)	OF	SAMPLE
PARAMETER		MINIMUM	AVERAGE	MAXIMUM	UNITS	NO EX.	MINIMUM	AVERAGE	MAXIMUM	UNITS	NO EX.	ANALYSIS	TYPE
	REPORTED	0.011	0.080	0.173	10°	0						2/7	24 HOUR
FLOW	PERMIT CONDITION				Gallons							2/7	24 HOUR
ρH	REPORTED						7.0	7.0	70.		0	1/30	GRAB
(00440)	PERMIT CONDITION				<u> </u>		6		9			1/30	GRAB
TEMPERATURE	REPORTED					1	61.0	61.0	61.0		0	1/30	GRAB
(00010)	PERMIT CONDITION									F		1/30	GRAB
POLYCHLORINATED	REPORTED					7	<0.0005	<0.0005	<0.0005		0	2/7	24 HOUR
BIPHENYLS	PERMIT CONDITION							0.001	0.005	mg/l		2/7	24 HOUR
	REPORTED												
	PERMIT CONDITION												
	REPORTED							{					
	PERMIT CONDITION												responsable to the contract of
	REPORTED					-		ļ		<u> </u>			
	PERMIT CONDITION				1								
	REPORTED												
1	PERMIT CONDITION]		1	1
NAME OF PRINCIPAL EX			F THE OFFICER		DATE		, ,	n familiar with the infe of that to the best of r		1	1/2	un E	Kalle
POOLE, GLENN LAST FIRST	<u>E.</u> Mi		MANAGER		6 0 6 AR MO	2 7 DAY		mation is true, comp		5	IGNAT	URE OF PRINCIPLE CER OR AUTHORIZ	EXECUTIVE
LASI FIRST	IVI	IIILE		1 15	AL MO	UAT					3, , 10		3.05.8

IL532-0092 WPC 242 11/79

This Agency is authorized to require this information under tilinois Revised Statutes, 1979, Chapter 111 %, Section 1042. Disclosure of this information is required, Failure to do so may result in a civil penalty up to \$10,000.00 per day of violation or a fine up to \$25,000.00 per day of violation and imprisonment up to one year. This form has been approved by the Forms Management Center. PAGE 3 OF B

COMMENTS

	P/				

~~	-	 	ME:

OMC WAUKEGAN - FACILITY OF OUTBOARD MARINE CORPORATION

ADDRESS:

100 SEA-HORSE DRIVE

WAUKEGAN, IL 60085

ATTN: ANTHONY MONTEMURRO

PHONE:

(847)689-5363

COMMENTS

Flow meter readings were not collected for this outfall, due a transmitter failure that was not discovered during the reporting period. Until the transmitter problem is corrected, the flow meter will be read manually and recorded in the sample log. book.

(2-3)		(4-16)	_	(17-1	9)										
IL.	- !	0002267		00	8		351	9		42°2	2' 4"		8	7°49	14"
ST		PERMIT NUMBER	i t	ĎΙ	S		SIC	;		LATIT	UDE		L	ONGI	UDE
			(50	-21)	(22	-23)	(24	-25)		(26	J-27)	(28	-29)	(30	31)
		REPORTING PERIOD FROM	9	7	0	5	0	1	TO	9	7	0	6	0	1
	(32-37)		YE	AR	N	10	D/	AY		YE	AR	M	0	D/	¥Υ

(32-37)		·											(64-68)	(68-70)
		card only	AUD	ITITY				4 card only	CON	CENTRATION			FREQUENCY	
		(38-34)	(46-53)	(54-61)			(62-62)	(38-45)	(46-53)	(54-81)		(62-63)	OF	SAMPLE
PARAMETER		MINIMUM	AVERAGE	MAXIMUM		UNITS	NO EX.	MINIMUM	AVERAGE	MAXIMUM	UNITS	NO EX.	ANALYSIS	TYPE
	REPORTED	•	•	•		10 ⁴	0						•	24 HOUR
FLOW	PERMIT CONDITION					Gallons							2/7	24 HOUR
	REPORTED			<u> </u>				}		1		1 1	ļ	
	PERMIT CONDITION				٦									
·	REPORTED												1	
	PERMIT CONDITION													
	REPORTED													
	PERMIT CONDITION				7						<u> </u>			
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	REPORTED												}	
	PERMIT CONDITION													
	REPORTED													
	PERMIT CONDITION			· · · · · · · · · · · · · · · · · · ·										
	REPORTED													
	PERMIT CONDITION] ,			<u></u>
NAME OF PRINCIPAL EXEC	UTIVE OFFICER	TITLE OF	THE OFFICER			DATE			m familiar with the inf			1/2	5	I.S.
POOLE, GLENN	<i>E</i> .	PLANT I	MANAGER			F			nd that to the best of a amation is true, comp		1	SIGNATU	IRE OF PRINCIPLE	
LAST FIRST	MI	TITLE		Y	EAR	МО	DAY]				OFFIC	ER OR AUTHORIZI	D AGENT

IL532-0092 WPC 242 11/79 This Agency is authorized to require this information under lillinois Revised Statutes, 1979, Chapter 111 ½, Section 1042. Disclosure of this information is required. Failure to do so may result in a civil penalty up to \$10,000.00 per day of violation or a fine up to \$25,000.00 per day of violation and imprisonment up to one year. This form has been approved by the Forms Management Center.

IEPA - Region II

PERMITTEE NAME:

OMC WAUKEGAN - FACILITY OF OUTBOARD MARINE CORPORATION

ADDRESS:

100 SEA-HORSE DRIVE

WAUKEGAN, IL 60085

ATTN: ANTHONY MONTEMURRO

TO

COMMENIS

STORM WATER DISCHARGES FROM THIS OUTFALL HAVE BEEN DIRECTED TO THE STORM WATER RETENTION POND. THE POND DISCHARGE HAS BEEN **DESIGNATED TO OUTFALL 017.**

PHONE: (847)689-5363

(4-16) $(17 \cdot 19)$ IL 0002267 014 3519 42°22'15" 87°49'18" ST PERMIT NUMBER DIS SIC LATITUDE LONGITUDE

> (20-21) (22-23)(24-25)REPORTING PERIOD FROM 9 | 7 0 5 0 1 YEAR MÖ DAY

(26-27) (28-29) (30-31) 9 1 7 0 1 6 9 1 7 YEAR MO DAY

(32-37) (64-86) (68-70) QUANTITY 3 card only CONCENTRATION FREQUENCY card only SAMPLE (38-34) (48-53) (54-81) (38-45) (46-53) (62-62) (54-81) PARAMETER NO NO **ANALYSIS** TYPE MINIMUM **AVERAGE MAXIMUM** UNITS MINIMUM **AVERAGE** MAXIMUM UNITS EX. EX. REPORTED 10° NO FLOW AT THIS OUTFALL. 24 HOUR PERMIT FLOW 24 HOUR Gallons 2/7 CONDITION REPORTED **GRAB** οН PERMIT **GRAB** (00440) 9 1/30 6 CONDITION REPORTED **GRAB** TEMPERATURE PERMIT **GRAB** (00010) F 1/30 CONDITION REPORTED 24 HOUR POLYCHLORINATED PERMIT BIPHENYLS 0.005 2/7 24 HOUR 0.001 mg/l CONDITION REPORTED PERMIT CONDITION REPORTED PERMIT CONDITION REPORTED PERMIT CONDITION REPORTED PERMIT CONDITION NAME OF PRINCIPAL EXECUTIVE OFFICER TITLE OF THE OFFICER I certify that I am familiar with the information contained DATE in this report and that to the bast of my knowledge and belief such information is true, complete, and accurate. SIGNATURE OF PRINCIPLE EXECUTIVE **GLENN**

POOLE, 9 7 PLANT MANAGER 0 6 Μİ FIRST LAST TITLE YEAR MO DAY IL532-0092

OFFICER OR AUTHORIZED AGENT

PAGE 5 OF 8

WPC 242.11/79

This Agency is authorized to require this information under Iflinois Revised Statutes, 1979, Chapter 111 1/2, Section 1042. Disclosure of this information is required. Failure to do so may result in a civil penalty up to \$10,000,00 per day of violation or a fine up to \$25,000.00 per day of violation and imprisonment up to one year. This form has been approved by the Forms Management Center

				DISC	HARGE MO	NITORII	NG REPOR	T					
IEPA - Region II							٦						
PERMITTEE NAME:	OMC WAUK	EGAN - FACILI	TY OF OUTBOA	RD MARINE	CORPORATI	ON	•			COMMENT	rs		
ADDRESS:	100 SEA-HO WAUKEGAN		ATTN: ANTH	IONY MONTE	EMURRO				QUIRED FOR E A 24 HOUR PE		ΓΑΠΟΝ	EVENT GREA	TER THAN
PHONE:	(847)689-536	13							R DISCHARGES ATER RETENTI				DIRECTED TO
L							ا	BEEN DESIGN			LIONE	DIOCHAROL	11.10
(2-3)	(4-16)	(17-19)	-	_ 		1							
IL PEI	0002267 RMIT NUMBER	015	3519	_1	2°22' 19"	1	48' 59"						
31 PEI	RMII NUMBER	DIS	SIC		ATITUDE	•	IGITUDE						
pen	ORTING PERIOD FROM		(22-23) (24-25)] ۔ [28-29)	(30-31)						
	JRTING PERIOD FROM	9 7 0 YEAR	0 5 0 1 MO DAY	то		6 MO	0 1 DAY						
(32-37)		card only	QUAN	TITY			4 card only	CONC	CENTRATION	<u> </u>	1	(64-66) FREQUENCY	(68-70)
DADAMETER		(38-34)	(48-53)	(54-61)		(62-62		(46-53)	(54-61)	t	(62-63)	OF	SAMPLE
PARAMETER		MINIMUM	AVERAGE	MAXIMUM	UNITS	NO EX.		AVERAGE	MAXIMUM	UNITS	NO EX.	ANALYSIS	TYPE
	REPORTED	NO FLO	OW AT THIS OU	TFALL.	10°					}			Calculation
FLOW	PERMIT CONDITION				Gallon	s						*/30	Calculation
pH (00440)	REPORTED												Grab
(00440)	PERMIT CONDITION						6		9			*/30	Grab
TOTAL	REPORTED												Storm Composite
SUSPENDED SOLIDS	PERMIT CONDITION				7				30	mg/l		*/30	Storm Composite
POLYCHLORINATED	REPORTED												Storm Composite
BIPHENYLS	PERMIT CONDITION								0.005	mg/l		1/30	Storm Composite
	REPORTED									ļ			
	PERMIT				{					1			
	REPORTED				_				 	 			<u> </u>
	PERMIT									-			
	REPORTED		 -					- 		 			
	PERMIT				\dashv			 	-	-			
	CONDITION							 	 	 			1
	PERMIT								 	-		-	
NAME OF PRINCIPAL I	CONDITION	TITLE OF	THE OFFICER	<u> </u>	DATE		I certify that I	am familiar with the inf	ormation contained	1			1
		TITLE OF	THE OFFICER	· · · · · · · · · · · · · · · · · · ·			in this report	and that to the best of i	my knowledge and	19		n 6.	Toole
POOLE, GLE		PLANT N	MANAGER		7 0 8			nformation is true, comp	iele, and accurate.			RE OF PRINCIPL R OR AUTHORI	

IL532-0092 WPC 242 11/79

This Agency is authorized to require this information under fillinois Revised Statutes, 1979, Chapter 111 ½, Section 1042. Disclosure of this information is required, Fallure to do so may result in a civil penalty up to \$10,000 00 per day of violation or a fine up to \$25,000,00 per day of violation and imprisonment up to one year. This form has been approved by the Forms Management Center

PAGE 6 OF 8

IEPA - Region II

PERMITTEE NAME:

OMC WAUKEGAN - FACILITY OF OUTBOARD MARINE CORPORATION

ADDRESS:

100 SEA-HORSE DRIVE

WAUKEGAN, IL 60085

ATTN: ANTHONY MONTEMURRO

PHONE:

(847)689-5363

COMMENTS

* SAMPLES REQUIRED FOR EACH PRECIPITATION EVENT GREATER THAN 0.3 INCHES IN A 24 HOUR PERIOD

STORM WATER DISCHARGES FROM THIS OUTFALL HAVE BEEN DIRECTED TO THE STORM WATER RETENTION POND. THE POND DISCHARGE HAS BEEN DESIGNATED OUTFALL 017.

(2-3)	(4-16)	(17-19)			
IL	0002267	016	3519	42°22' 19"	87°49'15"
ST	PERMIT NUMBER	DIS	SIC	LATITUDE	LONGITUDE
		(20-21) (22	-23) (24-25)	(26-27)	(28-29) (30-31)
	REPORTING PERIOD FROM	9 7 0	5 0 1	TO 9 7	0 6 0 1
) 1D	YEAR N	O DAY	YEAR	MO DAY

(32-37)													(64-68)	(68-70)
		3 card only	QUAN	VIIIY				4 card only	CON	CENTRATION			FREQUENCY	
	ţ	(38-34)	(46-53)	(54-61)			(62-62	(38-45)	(46-53)	(54-61)		(62-63)	OF	SAMPLE
PARAMETI	ER	MINIMUM	AVERAGE	MAXIMUM		UNITS	NO EX.	MINIMUM	AVERAGE	MAXIMUM	UNITS	NO EX.	ANALYSIS	TYPE
	REPORTE	NO FL	OW AT THIS OU	JTFALL.		104							1	Calculation
FLOW	PERMIT CONDITION	1				Gallons							*/30	Calculation
pΗ	REPORTE)	j								}	1		Grab
(00440)	PERMIT CONDITION	1						6		9			*/30	Grab
TOTAL	REPORTE											}		Storm Composite
SUSPENDED SOLI	PERMIT CONDITION	1								30	mg/l		*/30	Storm Composite
POLYCHLORINAT	ED REPORTE													Storm Composite
BIPHENYLS	PERMIT CONDITIO	v .								0.005	mg/l		*/30	Storm Composite
	REPORTE	5										1		
	PERMIT CONDITIO	N .]			
	REPORTE	D										-		
	PERMIT CONDITIO	N									1			
	REPORTE	D												
	PERMIT CONDITIO										1			
	REPORTE	D												
	PERMIT CONDITIO	N												
NAME OF PRINCIPAL EXECUTIVE OFFICER TITLE OF THE OFFICER				DATE I certify that I am familiar with the information contained			11	10.2		1/1				
							1 -							roon
POOLE,	GLENN E						2 7 belief such information is true, complete, and accurate.					GNATU	SNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	
IL532-0092	rmot f		ency is authorized to re		YEAR	MQ	DAY	_l				OF FIG		7 OF 8

IL532-0092 WPC 242 11/79 This Agency is authorized to require this information under tillinois Revised Statutes. 1979. Chapter 111 ½, Section 1042. Disclosure of this information is required, Failure to do so may result in a civil penalty up to \$10,000,00 per day of violation and imprisonment up to one year. This form has been approved by the Forms Management Center.

17.02 7 0. 0

PERMITTEE NAME:

(32.37)

OMC WAUKEGAN - FACILITY OF OUTBOARD MARINE CORPORATION

ADDRESS:

100 SEA-HORSE DRIVE

WAUKEGAN, IL 60085

ATTN: ANTHONY MONTEMURRO

TO

PHONE:

(847)689-5363

COMMENTS

* SAMPLES REQUIRED FOR EACH PRECIPITATION EVENT GREATER THAN 0.3 INCHES IN A 24 HOUR PERIOD

THIS DISCHARGE IS FROM THE STORM RETENTION POND. CONSTRUCTED AS AGREED TO IN THE CONSENT DECREE ENTERED IN NRDC V. OMC, N.D. ILL. 87 C 4648

(64-68)

r68-70)

"No precipitation events exceeding 0.3" in 24 hour period during this reporting period.

(2.3)	(4-10)		(17-19)			
IL.	0002267		017	3519	42°22′19″	87°49'15"
ST	PERMIT NUMBER	į	DIS	SIC	LATITUDE	LONGITUDE

REPORTING PERIOD FROM 9 | 7

(20-21)(22-23) (24-25) 0 | 5 0 | 1 YEAR MO DAY

(26-27) (28-29) (30-31) 0 | 5 0 1 YEAR DAY МО

(32 37)	_											(64-68)	(68-70)
	ł	3 card only	AUD	YTITY			4 card only	CONC	CENTRATION			FREQUENCY	
	i	(36-34)	(46-53)	(54-61)		(62-62)	(38-45)	(46-53)	(54-61)	··	(62-63)		SAMPLE
PARAMETER		MINIMUM	AVERAGE	MAXIMUM	UNITS	NO EX.	MUMINIM	AVERAGE	MAXIMUM	UNITS	NO EX.	ANALYSIS	TYPE
	REPORTED	**	**	**	10°								Calculation
FLOW	PERMIT CONDITION				Gallons							*/30	Calculation
ρH	REPORTED	1					**	**	••		_		Grab
(00440)	PERMIT CONDITION						6		9			*/30	Grab
TOTAL	REPORTED						**	**	**				Storm Composite
SUSPENDED SOLIDS	PERMIT CONDITION									mg/l		*/30	Storm Composite
POLYCHLORINATED	REPORTED	•					••	••					Storm Composite
BIPHENYLS	PERMIT CONDITION				7					mg/l		*/30	Storm Composite
	REPORTED												
_	PERMIT												
	REPORTED)										Ì	
	PERMIT				7								
	REPORTED											1	}
	PERMIT CONDITION	ı											
	REPORTED									"			ł
	PERMIT CONDITION									1	1,		
NAME OF PRINCIPAL EX	ECUTIVE OFFICER	R TITLE O	F THE OFFICER		DATE			m familiar with the inf ad that to the best of i		1	Len	in E	Look
POOLE, GLENN	V E.	. PLANT	MANAGER	9	7 0 5	2 7	. 1	mation is true, comp			SIGNATI	URE OF PRINCIPL	

LAST IL532-0092 V/PC 242 11/79 FIRST

MI

TITLE

This Agency is authorized to require this Information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1042. Disclosure of this information is required, Failure to do so may result in a civil penalty up to \$10,000.00 per day of violation or a fine up to \$25,000.00 per day of violation and imprison-

YEAR

OFFICER OR AUTHORIZED AGENT

PAGE 8 OF 8



OUTBOARD MARINE CORPORATION

100 Sea Horse Drive Waukegan, Illinois 60085-2195 Phone 847/689-6200

July 28, 1997

Mr. Dan Ray
Illinois Environmental Protection Agency
Division of Water Pollution Control
Compliance Assurance Section
2200 Churchill Road
Springfield, IL 62794-9276

Re:

Discharge Monitoring Report - June 1997

NPDES Permit No. IL 0002267

Dear Mr. Ray:

Enclosed is the, June 1997 Discharge Monitoring Report for the OMC Waukegan facility.

If you have any questions regarding this matter, I can be contacted at 847 / 689-5363.

Sincerely.

Anthony M. Montemurro, CHMM

Environmental Control Specialist

OMC Waukegan

encl.

cc:

L. Keller

B. Kuester

J. Moran

dray 209.97

DISCHARGE MONITORING REPORT

YEAR

IEPA - Region II

YEAR

COMMENTS

ADDRESS:

PERMITTEE NAME:

100 SEA-HORSE DRIVE WAUKEGAN, IL 60085

ATTN: ANTHONY MONTEMURRO

OMC WAUKEGAN - FACILITY OF OUTBOARD MARINE CORPORATION

PHONE:

(847)689-5363

(5-3)	(4-16)	(17-19)		<u></u>	
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IL532-0092 WPC 242 11/79 This Agency is authorized to require this information under Illinois Revised Studies, 1979, Chapter 111 ½. Section 1042 Disclosure of this information is required. Faikine to do so may result in a civil penalty up to \$10,000.00 per day of violation or a fine up to \$25,000.00 per day of violation and imprisonment up to one year. This form has been approved by the Forms Management Center.

IEPA - Region II

PERMITTEE NAME:

OMC WAUKEGAN - FACILITY OF OUTBOARD MARINE CORPORATION

ADDRESS:

100 SEA-HORSE DRIVE

WAUKEGAN, IL 60085

ATTN: ANTHONY MONTEMURRO

COMMENTS

* DUE TO THE INSTALLATION OF A CLOSED LOOP COOLING SYSTEM IN DECEMBER 1993, DISCHARGE FROM THIS OUTFALL HAS BEEN ELIMINAT

PHONE:

(847)689-5363

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II 532-0092 WPC 242 11//9 This Agency is authorized to require this information under filinois Revised Statistics, 1979. Chapter 111 W. Section 1042. Disclosure of this information is required, Failure to do so may result in a clivit ponality up to \$10,000.00 por day of violation or a fine up to \$25,000.00 per day of violation and implisonment up to one year. This form has been approved by the Forms Management Center.

PAGE 2 OF 8

COMMENTS

nr	D44	177	cc	 MF:

OMC WAUKLGAN - FACILITY OF OUTBOARD MARINE CORPORATION

ADDRESS:

100 SEA-HORSE DRIVE

WAUKEGAN, IL 60085

ATTN: ANTHONY MONTEMURRO

PHONE:

(847)689-5363

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(3-3)	(4.18)	(17-19		····					
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NAME OF PRINCIPAL EXECUTIVE OFFICER TITLE OF THE OFFICER						DATE I certify that I am familiar with the information contained						1.		<u> </u>
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POOLE, GLENN LAST FIRST	E.		MANAGER		0 6 YEAR	0 7	2 8	J 8 J					URE OF PRINCIPL	
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IL532-0092 WPC 242 11/79 This Agency is authorized to require this information under fillinois Revised Statutes, 1979, Chapter 111 %, Section 1042, Disclosure of this information is required. Failure to this so may result in a civil penalty up to \$10,000,000 per day of violation or a line up to \$25,000,000 per day of violation and imprisonment up to one year. This form has been approved by the Forms Managonium Center.

PAGE 3 OF

DISCHARGE MONITORING REPORT

IEPA - Region II							٦						
PERMITTEE NAME:	OMC WAUKE	EGAN - FACILI	TY OF OUTBOA	RD MARINE (CORPORATION	,				COMMEN	TS		
ADDRESS:	100 SEA-HOI WAUKEGAN,		ATTN: ANTI	IONY MONTE	MURRO								
PHONE:	(847)689-536	3											
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(4-1		(17-19)	٦ ١	٦									
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NAME OF PRINCIPAL EXEC	UTIVE OFFICER	TITLE O	F THE OFFICER		DATE			am familiar with the in and that to the best of		1	der	in E.	Tao
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11 532 0092 WPC 242 11/79

This Agency is authorized to require this information under filineis Revised Statutes, 1979. Chapter 111 ½, Section 1042. Disclosure of this information is required. Failure to do so may result in a civil penalty up to \$10,000.00 per day of violation or a fine up to \$25,000.00 per day of violation and injurison-ment up to one year. This form has been approved by the Forms Management Center.

DISCHARGE MONITORING REPORT IEPA - Region II COMMENTS OMC WAUKEGAN - FACILITY OF OUTBOARD MARINE CORPORATION PERMITTEE NAME: STORM WATER DISCHARGES FROM THIS OUTFALL HAVE BEEN DIRECTE 100 SEA-HORSE DRIVE ADDRESS: THE STORM WATER RETENTION POND. THE POND DISCHARGE HAS BEL ATTN: ANTHONY MONTEMURRO WAUKEGAN, IL 60085 **DESIGNATED TO OUTFALL 017.** PHONE: (847)689-5363 (4 16) (17 19) (2-3)3519 IL 0002267 014 42" 22' 15" 87"49'18" ST PERMIT NUMBER DIS SIC LATITUDE LONGITUDE (20-21) (22 23) (24-25) (26-27) (28-29) (30-31) REPORTING PERIOD FROM 0 1 TO 0 | 7 9 | 7 YEAR MO DAY YEAR MO DAY (32-37)G card only QUANTITY CONCENTRATION FREQUENCY 4 card only OF (38-34)(46 53) (54 61) (46-53) (38 45) (54 61) (62 63 PARAMETER NO NO **ANALYSIS** AVERAGE MAXIMUM UNITS UNITS MINIMUM MUMINIM **AVERAGE** MAXIMUM EX. EΧ REPORTED NO FLOW AT THIS OUTFALL. 106 PERMIT FLOW Gallons 2/7 CONDITION REPORTED ρН PERMIT (00440) 6 9 1/30 CONDITION REPORTED TEMPERATURE PERMIT (00010) F 1/30 CONDITION REPORTED POLYCHLORINATED PERMIT BIPHENYLS 0.001 0.005 mg/l 2/7 CONDITION REPORTED PERMIT CONDITION REPORTED PERMIT CONDITION REPORTED PERMIT CONDITION

DATE

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DAY

I certify that I am familiar with the information contained in this report and that to the best of my knowledge and bolial such information is true, complete, and accurate

IL 532-0092 WPC 242 11/79

POOLE.

LAST

REPORTED PERMIT CONDITION

MI

NAME OF PRINCIPAL EXECUTIVE OFFICER

GLENN

FIRST

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 %, Section 1042. Disclosure of this information is required. Failure to do so may result in a civil panelty up to \$10,000,00 per day of violation or a fine up to \$25,000 DU per day of violation and imprisonment up to one year. This form has been approved by the Forms Management Center

9 7

YEAR

TITLE OF THE OFFICER

PLANT MANAGER

TITLE

PAGE 5 OF 8

SIGNATURE OF PRINCIPLE EXECUT

OFFICER OR AUTHORIZED AGEN

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IEPA - Region II							٦						
PERMITTEE NAME:	OMC WAUK	EGAN - FACILI	TY OF OUTBO	ARD MARINE C	ORPORATION	ı				COMMENT	ſS		
ADDRESS:	100 SEA-HO WAUKEGAN		ATTN: ANTI	IONY MONTE	MURRO				QUIRED FOR E A 24 HOUR PI		TATION	I EVENT GREA	ITER THA
PHONE:	(847)689-53	63						THE STORM W	R DISCHARGES ATER RETENT	ION POND. TH			
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IL532-0092 WPC 242 11/79

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DISCHARGE MONITORING REPORT IEPA - Region II COMMENTS UMC WAUKEGAN - FACILITY OF OUTBOARD MARINE CORPORATION PERMITTEE NAME: SAMPLES REQUIRED FOR EACH PRECIPITATION EVENT GREATER THAI 100 SEA-HORSE DRIVE ADDRESS: 0.3 INCHES IN A 24 HOUR PERIOD WAUKEGAN, IL 60085 ATTN: ANTHONY MONTEMURRO STORM WATER DISCHARGES FROM THIS OUTFALL HAVE DEEN DIRECTE (847)689-5363 PHONE: THE STORM WATER RETENTION POND. THE POND DISCHARGE HAS BEEN DESIGNATED OUTFALL 017. (4 16) (17-19) (2 3) 016 0002267 3519 42"22'19" 87°49'15" IL ST PERMIT NUMBER DIS SIC LATITUDE LONGITUDE (20 21) (22-23) (24-25) (26-27) (28-29) (30-31) REPORTING PERIOD FROM TO 1 9 | 7 O 1 YEAR DAY YEAR MO MO DAY (32-37) QUANTITY CONCENTRATION FREQUENCY 3 card only 4 card only OF $(38 \cdot 34)$ (46-53) (54-61) (46-53) (62 62 (38 45) (54-61) (62-63) PARAMETER NO NO **ANALYSIS** MINIMUM **AVERAGE** MAXIMUM UNITS MINIMUM **AVERAGE** MAXIMUM UNITS EX. EX. REPORTED NO FLOW AT THIS OUTFALL. 104 Calcu PERMIT FLOW Gallons */30 Calci CONDITION ρН REPORTED PERMIT (00440) 9 6 °/30 CONDITION REPORTED TOTAL Storm C PERMIT SUSPENDED SOLIDS 30 ***/30** Storm C mg/l CONDITION REPORTED POLYCHLORINATED Storm C PERMIT BIPHENYLS 0.005 */30 Storm (ma/l CONDITION REPORTED PERMIT CONDITION REPORTED PERMIT CONDITION REPORTED PERMIT CONDITION

DATE

MO

7

YEAR

7

DAY

I certify that I am familiar with the information contained in this report and that to the best of my knowledge and behal such information is true, complete, and accurate

IL 532-0092 WPC 242 11/79

POOLE,

LAST

REPORTED PERMIT CONDITION

MI

NAME OF PRINCIPAL EXECUTIVE OFFICER

GLENN

FIRST

This Agency is authorized to require this information under Illinois Revised Statines, 1979 Chapter 111 1/2 Section 1042. Lesclosure of this information is required. Failure to do so may result in a civil penalty up to \$10,000,00 per day of violation or a fine up to \$25,000 00 per day of violation and imprison mont up to one year. This form has been approved by the Forms Management Center

TITLE OF THE OFFICER

PLANT MANAGER

TITLE

PAGE 7 OF 8

SIGNATURE OF PRINCIPLE EXECUT

OFFICER OR AUTHORIZED AGEN

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		NATIONAL POLLUTANT DISCHARGE ELIMI
IEPA - Region II		DISCHARGE MONITORING R
PERMITTEE NAME:	OMC WAUKEGAN - FACIL	ITY OF OUTBOARD MARINE CORPORATION
ADDRESS:	100 SEA-HORSE DRIVE WAUKEGAN, IL 60085	ATTN: ANTHONY MONTEMURRO
PHONE;	(847)689-5363	

COMMENTS

* SAMPLES REQUIRED FOR EACH PRECIPITATION EVENT GREATER THAN 0.3 INCHES IN A 24 HOUR PERIOD

THIS DISCHARGE IS FROM THE STORM RETENTION POND, CONSTRUCTED AS TO IN THE CONSENT DECREE ENTERED IN NRDC V. OMC, N.D. ILL, 87 C 4648

** No precipitation events exceeding 0.3" in 24 hour period during this reporting p

(2-3)		(4-16)	(17-1	<u> </u>						
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FLOW	PERMIT CONDITION				Gallons						*/30	Cal
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POOLE, GLENN LAST FIRST	<u>E</u>		MANAGER		7 0 7	2 8		irmation is trao, comp		SIGN	IATURE OF PRINCIP	
-not rikol	M	TITLE			YEAR MO	DAY	مستندر بالمستندان					E O OSE

IL 532 0092 WPC 242 11/79 PAGE 8 OF 8



OUTBOARD MARINE CORPORATION

100 Sea Horse Drive Waukegan, Illinois 60085-2195 Phone 847/689-6200

August 28, 1997

Mr. Dan Ray
Illinois Environmental Protection Agency
Division of Water Pollution Control
Compliance Assurance Section
2200 Churchill Road
Springfield, IL 62794-9276

Re:

Discharge Monitoring Report - July 1997

NPDES Permit No. IL 0002267

Dear Mr. Ray:

Enclosed is the, July 1997 Discharge Monitoring Report for the OMC Waukegan facility.

If you have any questions regarding this matter, I can be contacted at 847 / 689-5363.

Sincerely,

Anthony M. Montemurro, CHMM Environmental Control Specialist

OMC Waukegan

encl.

cc:

L. Keller

B. Kuester

J. Moran

dray 240.97

_IEPA - Region II				5.5	mande month		<u>.</u> .						•
PERMITTEE NAME:	OMC WAUK	EGAN - FACIL	TY OF OUTBOA	RD MARINE	CORPORATION		•			COMMENTS			
ADDRESS:	100 SEA-HO WAUKEGAN		ATTN: ANTI	HONY MONTE	MURRO								
PHONE:	(847)689-53	63											
L													
(2-3) (4-10		(17-19)	7 7 7510	7									
ST PERMIT		001 DIS	3519 SIC	\ \	~21' 48" ATITUDE		9' 18"						
		(20-21)	(22-23) (24-25)		(28-27) (28-29)		30-31)						
REPORTING	S PERIOD FROM		0 7 0 1	то	9 7 0		11						
		YEAR	MO DAY]	YEAR MO		DAY						44 70 0
(32-37)		3 card only	QUAN			- 1	card only		CENTRATION			FREQUENCY	(64-70) SAMPLE
PARAMETER		(38-34) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(62-62) NO	(38-45) MINIMUM	(48-53) AVERAGE	(54-61) MAXIMUM	UNITS	(62-63) NO	OF ANALYSIS	TYPE
	REPORTED	0.779	1.093	1.540	104	EX.		· 			EX.	4/30	24 HOUR
FLOW	PERMIT				Gallons							1/30	24 HOUR
ρH	REPORTED				-		7.2	7.2	7.2		0	1/30	GRAB
(00440)	PERMIT						6		9	-		1/30	GRAB
TEMPERATURE	REPORTED	<u> </u>	 				75	75	75	 	0	1/30	GRAB
(00010)	PERMIT							,,,	 	95		1/30	GRAB
POLYCHLORINATED	CONDITION		<u> </u>			-	<0.0005	<0.0005	<0.0005		0	1/7	24 HOUR
BIPHENYLS	PERMIT				-		40.0003	10.0003	0.005	mg/l		1/7	24 HOUR
BIFRENTLS	CONDITION	}	 	 		_			0.003	""g/i	-		24710011
	PERMIT		·	<u> </u>	_	\	<u></u>		 	-		<u> </u>	
	CONDITION	· 	 	ļ		_		\	-	 			
	REPORTED	ļ	 	<u> </u>					<u> </u>	4			
	CONDITION		<u> </u>	<u> </u>									
	REPORTED			1					ļ	1			<u> </u>
	PERMIT CONDITION			1									<u> </u>
	REPORTED												
	PERMIT CONDITION												11
NAME OF PRINCIPAL EXEC	UTIVE OFFICER	TITLE	F THE OFFICER		DATE			m familiar with the in nd that to the best of		H.	lei	in G.	Kool
POOLE, GLENN	E.		MANAGER			2 7	belief such info	nnation is true, comp	olete, and accurate	SI	GNATU	JRE OF PRINCIPL	
LAST FIRST	MI	TITLE		nuise this leformati	EAR MO	DAY	J				OFFIC	ER OR AUTHORI	1 OF 8

IL532-0092 WPC 242 11/79 This Agency is authorized to require this information under Itlinois Revised Statutes, 1879. Chapter 111 ½, Section 1042. Disclosure of this information is required. Failure to do so may result in a civil penalty up to \$10,000 00 per day of violation or a fine up to \$25,000 00 per day of violation and imprisonment up to one year. This form has been approved by the Forms Management Center.

044-020

 $\label{eq:control_eq} a_{ij} = \frac{1}{2} \left(- \left(\frac{1}{2} - \frac{1}{2}$

IEPA - Region II

PERMITTEE NAME:

OMC WAUKEGAN - FACILITY OF OUTBOARD MARINE CORPORATION

ADDRESS:

100 SEA-HORSE DRIVE

WAUKEGAN, IL 60085

ATTN: ANTHONY MONTEMURRO

COMMENTS

* DUE TO THE INSTALLATION OF A CLOSED LOOP COOLING SYSTEM IN DECEMBER 1993, DISCHARGE FROM THIS OUTFALL HAS BEEN ELIMINATED.

PHONE:

(847)689-5363

(2-3)	(4-18)	(17-19	9)					
IL	0002267	000	5	3519	.	42°21′51″	8	7°49′17″
ST	PERMIT NUMBER	DIS		SIC		LATITUDE		ONGITUDE
		(20-21)	(22-23)	(24-25)	1	(26-27)	(28-29)	(30-31)
	REPORTING PERIOD FROM	9 7	0 7	0 1	το	9 7	0 8	0 1 1
		YEAR	MO	DAY		YEAR	MO	DAY

		YEAR	MO DAY		YEAR MO		DAY						
(32-37)	ı -	3 card only	AAUQ	ITITY			card only	CONC	ENTRATION		T	(54-68) FREQUENCY	(88-70)
		(38-34)	(46-53)	(54-61)		(62-62)	(38-45)	(48 53)	(54 61)		(82 63)	OF	SAMPLE
PARAMETER		MINIMUM	AVERAGE	MAXIMUM	UNITS	NO EX.	MINIMUM	AVERAGE	MAXIMUM	UNITS	NO EX.	ANALYSIS	TYPE
	REPORTED	•	•	•	106			•	•				24 HOUR
FLOW	PERMIT CONDITION				Gallons							1/7	24 HOUR
ρΗ	REPORTED						*	•	•				GRAB
(00440)	PERMIT CONDITION				1		6		9			1/30	GRAB
TEMPERATURE	REPORTED						•	•	•				GRAB
(00010)	PERMIT CONDITION				7					F		1/30	GRAB
OIL & GREASE	REPORTED						*	*	•				GRAB
(00550)	PERMIT CONDITION							15	30	mg/l		1/30	GRAB
POLYCHLORINATED	REPORTED						•	•	•				24 HOUR
BIPHENYLS	PERMIT CONDITION								0.005	mg/l		1/7	24 HOUR
	REPORTED	1							Ï		- 1		
	PERMIT CONDITION												
	REPORTED										_ _		
	PERMIT CONDITION												
	REPORTED												
	PERMIT				7					1			1
NAME OF PRINCIPAL EXE	CUTIVE OFFICER	TITLE O	F THE OFFICER		DATE		, .	m familiar with the info		1	17		
POOLE, GLENN	Ε.		MANAGER	9		2 7	,	nd that to the best of r ormation is true, comp				IRE OF PRINCIPLI	
LAST FIRST	MI	TITLE		Y	EAR MO	DAY	ł				OFFIC	ER OR AUTHORIZ	ED AGENT,

IL532-0092 WPC 242 11/79

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 %, Section 1042. Disclosure of this information is required, Failure to do so may result in a civil penalty up to \$10,000 00 per day of violation or a fine up to \$25,000.00 per day of violation and imprisonment up to one year. This form has been approved by the Forms Management Center. PAGE 2 OF 8

IEPA - Region II							_						
PERMITTEE NAME:	OMC WAUKI	EGAN - FACILI	TY OF OUTBOA	RD MARINE C	ÚRPORATION		ı			COMMENT	s		
								Due to flow me	eter malfunction	s, flow data fo	r this d	discharge have	been estimated
ADDRESS:	100 SEA-HO WAUKEGAN		ATTN: ANTH	IONY MONTEN	MURRO					,		•	
PHÔNE:	(847)689-536	63											
L							لـ						
(2-3)	-16)	(17-19)	, _[
	2267	007	3519	_	22' 6"		8' 54"						
ST PERMIT	NUMBER	DIS	SIC	_	TITUDE	LONG	SITUDE						
		(20-21)	(22-23) (24-25)	- -	(26-27) (28-29)		30-31)						
REPORTIN	NG PERIOD FROM		7 0 1	10	9 7 0 8		11						
(32-37)		YEAR	MO DAY		YEAR MO		DAY		_			(64-68)	(68-70)
		3 card only (38-34)	QUAN (48-53)	TITY (54-61)		(62-62)	4 card only (38-45)	CONC (48-53)	ENTRATION (54-81)		(62-63)	FREQUENCY OF	SAMPLE
PARAMETER		MINIMUM	AVERAGE	MAXIMUM	UNITS	NO EX.	MINIMUM	AVERAGE	MUMIXAM	UNITS	NO EX.	ANALYSIS	TYPE
	REPORTED	0.336*	0.336*	0,336*	10 ⁴	0					-	2/7	24 HOUR
FLOW	PERMIT CONDITION				Gallons							2/7	24 HOUR
ρH	REPORTED						6.9	6.9	6.9		O	1/30	GRAB
(00440)	PERMIT CONDITION				<u> </u>		6		9			1/30	GRAB
TEMPERATURE	REPORTED						95.0	95.0	95.0		0	1/30	GRAB
(00010)	PERMIT CONDITION			-	1					9F		1/30	GRAB
POLYCHLORINATED	REPORTED						<0.0005	0.0004	0.0012		0	2/7	24 HOUR
BIPHENYLS	PERMIT CONDITION				1			0.001	0.005	mg/i		2/7	24 HOUR
	REPORTED										1		
	PERMIT CONDITION				Ī								
	REPORTED				[1		1			
	PERMIT CONDITION												
	REPORTED	· · · · · · · · · · · · · · · · · · ·	 						1				
	PERMIT			 				 	 	1			
	REPORTED	·	 	 						1			
	PERMIT		 		{			 	 	†			1
NAME OF PRINCIPAL EXEC	CONDITION CUTIVE OFFICER		F THE OFFICER	1	DATE		I certify that I a	m familiar with the inf	lormation contained		1		1//
						r	H	nd that to the best of a ormation is true, comp	-	13	On	·	you
POOLE, GLENN LAST FIRST	<u>Е.</u>		MANAGER			2 7 DAY	1	,anomie mae, comp		,		URE OF PRINCIPL CER OR AUTHORI	
IL532-0092 WPC 242 11/79		This Age		quire this Information	under Illinois Revised							PAGI	3 OF 8

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 ½, Section 1042. Disclosure of this information is required, Failure to do so may result in a civil penalty up to \$10,000.00 per day of violation or a fine up to \$25,000.00 per day of violation and imprisonment up to one year. This form has been approved by the Forms Management Center.

DISCHARGE MONITORING REPORT

IEPA - Region II							7						
PERMITTEE NAME:	OMC WAUKI	EGAN - FACILI	TY OF OUTBOA	RD MARINE C	ORPORATION		•			COMMENT	S		
ADDRESS:	100 SEA-HO WAUKEGAN		ATTN: ANTH	IONY MONTEN	MURRO								
PHONE:	(847)689-536	3											
L							ال						
	-16)	(17-19)		r									
	2267	008	3519		22' 4"		9' 14"						
ST PERMIT	NUMBER	DIS	SIC	J L₩	TITUDE		SITUDE						
			(22-23) (24-25)	П Г	(28-27) (28-26	7	30-31)						
REPORTIN	IG PERIOD FROM	9 7 (7 0 1 MO DAY	10	9 7 0 YEAR MO		DAY						
(32-37)		card only	QUAN	TITY			4 card only	CONC	ENTRATION		1	(64-68) FREQUENCY	(68-70)
		(38-34)	(46-53)	(54-61)	 .	(62-62)	(38-45)	(48-53)	(54-61)		(62-63)	OF	SAMPLE
PARAMETER		MINIMUM	AVERAGE	MAXIMUM	UNITS	EX.	MINIMUM	AVERAGE	MAXIMUM	UNITS	NO EX.	ANALYSIS	TYPE
	REPORTED	0.225	0.065	0.336	104	O						2/7	24 HOUR
FLOW	PERMIT CONDITION				Gallons		· · · · · · · · · · · · · · · · · · ·					2/7	24 HOUR
	REPORTED												
	PERMIT CONDITION									1			
	REPORTED	***********		<u> </u>		-							
	PERMIT				1					1			i
	REPORTED				-}	_}_			 			. – .	
	PERMIT				-					-{			
	CONDITION					_	<u> </u>						
	REPORTED		 							-			
	CONDITION		<u></u>					ļ	ļ	<u> </u>	_		
	REPORTED		ļ		_			ļ	ļ <u>.</u>	_			
	PERMIT CONDITION								ļ				
	REPORTED											<u></u>	
	PERMIT CONDITION									1			
	REPORTED	·····		1									
	PERMIT CONDITION		1		7			 	1		,	I	1
NAME OF PRINCIPAL EXEC		TITLE O	F THE OFFICER	<u> </u>	DATE		_	m familiar with the info		1		×	1/1
POOLE, GLENN	E.	PLANT	MANAGER	9	700	2 7		nd that to the best of i ormation is true, comp			IGNATII	IRE OF PRINCIPL	E EXECUTIVE
LAST FIRST	MI	TITLE		YE	AR MO	DAY	1					ER OR AUTHORIZ	ZED AGENT
IL 532-0092		This Age	ency is authorized to re	quire this information	under Illinois Revise	a						FAGE	4 OF B

WPC 242 11/79

Statutes, 1979, Chapter 111 ½, Section 1042. Disclosure of this information is required, Failure to do so may result in a civil penalty up to \$10,000 00 per day of violation or a fine up to \$25,000,00 per day of violation and imprisonment up to one year. This form has been approved by the Forms Management Center.

DISCHARGE MONITORING REPORT IEPA - Region II COMMENTS PERMITTEE NAME: OMC WAUKEGAN - FACILITY OF OUTBOARD MARINE CORPORATION STORM WATER DISCHARGES FROM THIS OUTFALL HAVE BEEN DIRECTED TO 100 SEA-HORSE DRIVE ADDRESS: THE STORM WATER RETENTION POND. THE POND DISCHARGE HAS BEEN WAUKEGAN, IL 60085 ATTN: ANTHONY MONTEMURRO **DESIGNATED TO OUTFALL 017.** PHONE: (847)689-5363 (17-19) (2-3) (4-16) 0002267 014 3519 42° 22' 15" 87°49'18" IL PERMIT NUMBER DIS SIC LATITUDE LONGITUDE SŤ (20-21) (22-23) (24-25) (26-27) (28-29) (30-31) REPORTING PERIOD FROM 0 | 7 ΤO 0 | 1 9 | 7 0 8 9 | YEAR MO DAY YEAR MO DAY (32-37) (66-70) QUANTITY CONCENTRATION FREQUENCY card only card only SAMPLE OF (36-34)(46-53)(54-61) (38-45)(46-53)(54-61)PARAMETER NO NO **ANALYSIS** TYPE MINIMUM **AVERAGE MAXIMUM** UNITS MINIMUM **AVERAGE** MAXIMUM UNITS EX. EX. REPORTED 104 NO FLOW AT THIS OUTFALL. 24 HOUR PERMIT FLOW Gallons 2/7 24 HOUR CONDITION REPORTED οH **GRAB** PERMIT (00440) 6 9 1/30 **GRAB** CONDITION REPORTED TEMPERATURE **GRAB** PERMIT 1/30 **GRAB** (00010) CONDITION REPORTED POLYCHLORINATED 24 HOUR PERMIT 2/7 24 HOUR BIPHENYLS 0.001 0.005 mg/l CONDITION REPORTED PERMIT CONDITION REPORTED PERMIT CONDITION REPORTED PERMIT

IL532-0092 WPC 242 11/79

POOLE.

LAST

CONDITION
REPORTED
PERMIT
CONDITION

MI

NAME OF PRINCIPAL EXECUTIVE OFFICER

GLENN

FIRST

This Agency is authorized to require this information under Illinois Revised Statules, 1979, Chapter 111 14, Section 1042. Disclosure of this information is required, Failure to do so may result in a civil penalty up to \$10,000 00 per day of violation or a fine up to \$25,000 00 per day of violation and Imprisonment up to one year. This form has been approved by the Forms Management Center.

DATE

DAY

7

YEAR

I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate

TITLE OF THE OFFICER

PLANT MANAGER

OFFICER OR AUTHORIZED AGENT
PAGE 5 OF 8

SIGNATURE OF PRINCIPLE EXECUTIVE

DISCHARGE MONITORING REPORT

IEPA - Region II							\neg						
PERMITTEE NAME:	OMC WAUKE	GAN - FACILI	TY OF OUTBOA	RD MARINE (CORPORATION	1	•			COMMENT	s		
ADDRESS:	100 SEA-HOI WAUKEGAN		ATTN: ANTI	IONY MONTE	MURRO				QUIRED FOR EA I A 24 HOUR PE		TATION	EVENT GREA	TER THAN
PHONE:	(847)689-536	3							R DISCHARGES ATER RETENTION				
L .							١		ATED OUTFALL				
IL 000	02267 NUMBER	015 DIS	3519 SIC	_	° 22' 19"		18' 59" SITUDE						
	-	(20-21)	(22-23) (24-25)		(26-27) (28-2	9) (30-31)						
REPORTI	NG PERIOD FROM	9 7 (7 0 1 1 MO DAY	то	9 7 0 YEAR MC		1 DAY						
(32-37)	<u></u>	card only	QUAN	TITY			4 card only	CONC	CENTRATION			FREQUENCY	(68-70)
OLD METER		(38-34)	(46-53)	(54-61)		(62-62)	(38-45)	(48-53)	(54 61)		(62-63)	OF	SAMPLE TYPE
PARAMETER		MINIMUM	AVERAGE	MAXIMUM	UNITS	NO EX.	MINIMUM	AVERAGE	MAXIMUM	UNITS	NO EX.	ANALYSIS	TIPE
	REPORTED	NO FL	OW AT THIS OU	TFALL.	104								Calculation
FLOW	PERMIT CONDITION				Gallons							*/30	Calculation
рН	REPORTED												Grab
(00440)	PERMIT CONDITION				-1		6		9			•/30	Grab
TOTAL	REPORTED												Storm Composite
SUSPENDED SOLIDS	PERMIT CONDITION								30	mg/l		*/30	Storm Composite
POLYCHLORINATED	REPORTED			Į									Storm Composite
BIPHENYLS	PERMIT CONDITION				7				0.005	mg/l		•/30	Storm Composite
	REPORTED								ļ	<u>}</u>			
	PERMIT CONDITION												
	REPORTED		1			1							
	PERMIT CONDITION												<u> </u>
	REPORTED			1		\	<u>.</u>			<u> </u>			
	PERMIT CONDITION												
	REPORTED												
	PERMIT CONDITION] .	,		0
NAME OF PRINCIPAL EXE		TITLE O	F THE OFFICER		DATE			am familiar with the ini		L		7	Loca
POOLE, GLENN	<u> </u>		MANAGER	9		2 7	holiot such in	and that to the best of iformation is true, comp	•			IRE OF PRINCIPL	
LAST FIRST	MI	TITLE This Age	ency is authorized to re		EAR MO I	DAY	1			1	OFFIC	ER OR AUTHORI PAG	E 6 OF 8
WPC 242 11/79			, 1979, Chapter 111 1/4										

_IEPA - Region II

PERMITTEE NAME:

OMC WAUKEGAN - FACILITY OF OUTBOARD MARINE CORPORATION

ADDRESS:

100 SEA-HORSE DRIVE

WAUKEGAN, IL 60085

ATTN: ANTHONY MONTEMURRO

PHONE:

(847)689-5363

COMMENTS

* SAMPLES REQUIRED FOR EACH PRECIPITATION EVENT GREATER THAN 0.3 INCHES IN A 24 HOUR PERIOD

STORM WATER DISCHARGES FROM THIS OUTFALL HAVE BEEN DIRECTED TO THE STORM WATER RETENTION POND. THE POND DISCHARGE HAS BEEN DESIGNATED OUTFALL 017.

(2.3)	(4-16)	(17.19	9)		<u></u>			
IL	0002267	010	6	3519	4	12°22′19″	8	7°49'15"
ST	PERMIT NUMBER	DIS		SIC		LATITUDE	L	ONGITUDE
		(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)
	REPORTING PERIOD FROM	9 7	0 7	0 1	то	9 7	0 8	0 1
		YEAR	MO	DAY		YEAR	МО	DAY

(32-37)		YEAR	MO DAY		YEAR MC		DAY					(64-66)	(64-70)
(00.01)		3 card only	QUAN	ITITY			4 card only	CON	CENTRATION			FREQUENCY	100-101
		(38-34)	(46-53)	(54-61)		(62-62)	(38-45)	(46-52)	(54-61)		(62-63)	OF	SAMPLE
PARAMETER		MINIMUM	AVERAGE	MAXIMUM	UNITS	NO EX.	MINIMUM	AVERAGE	MAXIMUM	UNITS	NO EX.	ANALYSIS	TYPE
	REPORTED	NO FL	OW AT THIS O	JTFALL.	104								Calculation
FLOW	PERMIT				Gallons							*/30	Calculation
ρΗ	REPORTED	1											Grab
(00440)	PERMIT CONDITION						6		9			*/30	Grab
TOTAL	REPORTED												Storm Composit
SUSPENDED SOLIDS	PERMIT CONDITION				7				30	mg/l		*/30	Storm Composit
POLYCHLORINATED	REPORTED												Storm Composit
BIPHENYLS	PERMIT CONDITION								0.005	mg/l		*/30	Storm Composit
	REPORTED												
	PERMIT CONDITION									1			
	REPORTED												
	PERMIT CONDITION]			
	REPORTED				1								
	PERMIT CONDITION									·			
	REPORTED												
	PERMIT												1
NAME OF PRINCIPAL EX			OF THE OFFICER		DATE			am familiar with the in and that to the best of		1	les	. 8	Look
POOLE, GLENN			MANAGER		7 0 8	2 7	hatial such infe	ormalion is true, comp			SIGNATU	RE OF PRINCIP	
LAST FIRST	Mi	TITLE		1 '	YEAR MO	DAY				1	OFFICE	ER OR AUTHOR	IZED AGENT

IL532-0092 WPC 242 11/79 This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/3. Section 1042. Disclosure of this information is required. Failure to do so may result in a civil penalty up to \$10,000,00 per day of violation or a fine up to \$25,000.00 per day of violation and imprisonment up to one year. This form has been approved by the Forms Management Center.

PAGE 7 OF 8

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM DISCHARGE MONITORING REPORT

IEPA -	Region II
--------	-----------

PERMITTEE NAME:

OMC WAUKEGAN - FACILITY OF OUTBOARD MARINE CORPORATION

ADDRESS:

100 SEA-HORSE DRIVE

WAUKEGAN, IL 60085

ATTN: ANTHONY MONTEMURRO

PHONE:

(847)689-5363

COMMENTS

* SAMPLES REQUIRED FOR EACH PRECIPITATION EVENT GREATER THAN 0.3 INCHES IN A 24 HOUR PERIOD

THIS DISCHARGE IS FROM THE STORM RETENTION POND, CONSTRUCTED AS AGREED TO IN THE CONSENT DECREE ENTERED IN NRDC ${f v}$. OMC,

N.D. ILL. 87 C 4648

**Analysis for this parameter not conducted due to insufficient sample volume

(2-3)	(4-16)	(17-1	9)								
IL	0002267	01	017 3519			12°22' 19"	8	7°49' 15"			
ST	PERMIT NUMBER	Di		SIC		LATITUDE	L	LONGITUDE			
		(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)			
	REPORTING PERIOD FROM	9 7	017	0 1	10	9 7	0 8	0 1			
	2.3h	YEAR	МО	DAY		YEAR	MO	DAY			

												(64-68)	(68-70)
	\ *	card only	QUAN				4 card only		ENTRATION			FREQUENCY OF	SAMPLE
PARAMETER		(38-34) MINIMUM	(45-53) AVERAGE	(54-81) MAXIMUM	UNITS	(62-62) NO EX.	(38-45) MINIMUM	(46-53) AVERAGE	(54 81) MAXIMUM	LINITS	(62-63) NO EX.	ANALYSIS	TYPE
	REPORTED	0.184	0.184	0.184	104	1					0	1/30	Calculation
FLOW	PERMIT CONDITION				Gallons							*/30	Calculation
ρΗ	REPORTED						•	**	••			0/30	Grab
(00440)	PERMIT CONDITION						6		9	'		*/30	Grab
TOTAL	REPORTED						••	**	••			0/30	Storm Composit
SUSPENDED SOLIDS	PERMIT CONDITION				-					mg/l		*/30	Storm Composit
POLYCHLORINATED	REPORTED			Ì			<0.0005	<0.0005	<0.0005		0	1/30	Storm Composit
BIPHENYLS	PERMIT CONDITION		·		_					mg/l		*/30	Storm Composit
	REPORTED												
	PERMIT CONDITION				7								
	REPORTED										T		_
	PERMIT CONDITION												
	REPORTED												
	PERMIT CONDITION				7								
	REPORTED												
	PERMIT CONDITION		-	 						1			1
NAME OF PRINCIPAL EXECU		TITLE OF	THE OFFICER		DATE		_1 *	m familiar with the info		19	1	R	111
POOLE, GLENN LAST FIRST	E.	PLANT A	IANAGER	9	7 0 8 EAR MO	2 7 DAY						IRE OF PRINCIPLER OR AUTHORI	

IL532-0092 WPC 242 11/79 TITLE YEAR MO DAY

This Agency is authorized to require this information under tilinols Revised

Statutes, 1979, Chapter 111 ½, Section 1042 Disclosure of this information is required, Failure to do so may result in a civil penalty up to \$10,000 00 per

PAGE 8 OF 8

ATTACHMENT 2

CATEGORY 5 TREATMENT PLANT



KEMRON Environmental Services 109 Starlite Park Marietta, Ohio 45750

Phone: (614) 373-4071

Outboard Marine Corporation

190 Seahorse Drive Waukegan, IL 60085

Attn: Tricia Sutton

Login #: 97-06-456 Date Received: 06/20/97 Date Completed: 07/03/97

Date Reported: 07/03/97 10:32

Work ID: OMC WAUKEGAN

Client Code: OUTBOARD-379

SAMPLE IDENTIFICATION

Sample	Sample	Sample	Sample
Number	Description	Number	Description
01	WT5I-R5	02	WT5I-R6
03	WT5E	04	WT5LC

All results for soils/sludges are reported on a dry weight basis, where applicable, unless otherwise specified. This report shall not be reproduced, except in full, without the prior written approval of KEMRON.

Certified by David L. Bumgarner

RECEIVED

JUL 10 1997

OMC ENVIRONMENTAL AFFAIRS DEPT

KEMRON ENVIRONMENTAL SERVICES TEST RESULTS BY SAMPLE

Page 2

Test Code: 808-PCB-W

Lab No: 01

Collected: 06/19/97 1030

Sample Description: WT5I-R5

Category: Water Method: 8081\3510

Test Description: PCB's (Water)

File: 013F0101

Analyst: MLS Instrument: HP10 Extracted: 06/26/97 Injected: 06/30/97

Factor: 1

Units: ug/L

CAS#	COMPOUND	RESULT	REPORTING LIMIT	
12674-11-2	Aroclor-1016	ND	0.5	
11104-28-2	Aroclor-1221	ND	0.5	
11141-16-5	Aroclor-1232	ND	0.5	
53469-21-9	Aroclor-1242	ND	0.5	
12672-29-6	Aroclor-1248	4	0.5	
11097-69-1	Aroclor-1254	ND	1	
11096-82-5	Aroclor-1260	ND	1	

SURROGATES:

Decachlorobiphenyl 2,4,5,6-Tetrachloro-m-xylene

83.8 % Recovery (25% - 140%) 77.6 % Recovery (13% - 154%)

NOTES AND DEFINITIONS FOR THIS SAMPLE:

KEMRON ENVIRONMENTAL SERVICES Page 3

TEST RESULTS BY SAMPLE

Test Code: 808-PCB-W

Sample Description: WT5-ID

Test Description: PCB's (Water)

Lab No: 02

Collected: 06/13/97 910

Category: Water
Method: 8081\3510

Analyst: MLS

Instrument: HP10

Extracted: 06/20/97 Injected: 06/25/97

File: 015R0101

Factor: 1

Units: ug/L

CAS#	COMPOUND	RESULT	REPORTING LIMIT	
12674 - 11 - 2	Aroclor-1016	ND	0.5	
11104-28-2	Aroclor-1221	ND	0.5	
11141-16-5	Aroclor-1232	ND	0.5	
53469-21-9	Aroclor-1242	ND	0.5	
12672-29-6	Aroclor-1248	2.18	0.5	
11097-69-1	Aroclor-1254	ND	1	
11096-82-5	Aroclor-1260	ND	1	

SURROGATES:

Decachlorobiphenyl 2,4,5,6-Tetrachloro-m-xylene 86.2 % Recovery (25% - 140%)
51 % Recovery (13% - 154%)

NOTES AND DEFINITIONS FOR THIS SAMPLE:

Test Code: 808-PCB-W

Lab No: 03

Collected: 06/13/97 910

Sample Description: WT5-E

Category: Water Method: 8081\3510

Test Description: PCB's (Water)

Analyst: MLS Instrument: HP10 Extracted: 06/20/97 Injected: 06/25/97 File: 016R0101

Factor: 1

Units: ug/L

CAS#	COMPOUND	RESULT	REPORTING LIMIT	
12674-11-2	Aroclor-1016	ND	0.5	-
11104-28-2	Aroclor-1221	ND	0.5	
11141-16-5	Aroclor-1232	ND	0.5	
53469-21-9	Aroclor-1242	ND	0.5	
12672-29-6	Aroclor-1248	ND	0.5	
11097-69-1	Aroclor-1254	ND	1	
11096-82-5	Aroclor-1260	ND	1	

SURROGATES:

Decachlorobiphenyl 2,4,5,6-Tetrachloro-m-xylene

95.6 % Recovery (25% - 140%) 50.2 % Recovery (13% - 154%)

NOTES AND DEFINITIONS FOR THIS SAMPLE:

KEMRON ENVIRONMENTAL SERVICES TEST RESULTS BY SAMPLE

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Test Code: 808-PCB-W

Sample Description: WT5-LC
Test Description: PCB's (Water)

Lab No: 04

Collected: 06/13/97 910 Category: Water Method: 8081\3510

Analyst: MLS Instrument: HP10

Extracted: 06/20/97

File: 017R0101

Injected: 06/25/97

Factor: 1

Units: ug/L

CAS#	COMPOUND	RESULT	REPORTING LIMIT	
12674-11-2	Aroclor-1016	ND	0.5	
11104-28-2	Aroclor-1221	ND	0.5	
11141-16-5	Aroclor-1232	ND	0.5	
53469-21-9	Aroclor-1242	ND	0.5	
12672-29-6	Aroclor-1248	ND	0.5	
11097-6 9-1	Aroclor-1254	ND	1	
11095 -82-5	Aroclor-1260	ND	1	

SURROGATES:

Decachlorobiphenyl 2,4,5,6-Tetrachloro-m-xylene 97.6 % Recovery (25% - 140%)
59.8 % Recovery (13% - 154%)

NOTES AND DEFINITIONS FOR THIS SAMPLE:

KEMRON ANALYST LIST

Ohio Valley Laboratory

05/29/97

AJS - - Ashlee J. Scott ALC - - Ann L. Clark BWH - - Ben W. Haynes CEB - - Chad E. Barnes CMS - - Crystal M. Stevens DIH - - Deanna I. Hesson DJP - - Douglas J. Poling DLP - - Dorothy L. Payne DST - - Dennis S. Tepe ECL - - Eric C. Lawson EDG - - Eric D. Gerkin ENH - - E. Nick Hamner FEH - - Fay E. Harmon FRM - - Fred R. Montgomery GWH - - George W. Hutchison HV - - Hema Vilasagar JEC - - Jesse E. Chapman JKM - - June K. Morris JLI - - Janice L. Inghram JLW - - Jessica L. Wright JMM - - Jim M. Monk JWR - - John W. Richards JYH - - Ji Y. Hu KHA - - Kim H. Archer KMM - - Kevin M. McDonald KPO - - Kevin P. Overstreet
KRA - - Kathy R. Albertson LMW - - Lisa M. Wagner MBJ - - Matthew B. Jarrell MDA - - Mike D. Albertson MDC - - Michael D. Cochran MES - - Mary E. Schiling MFB - - Mike F. Barrow MLS - - Michael L. Schimmel MMB - - Maren M. Beery MSW - - Mike S. Wetz RDC - - Rebecca D. Cutlip REB - - Russell E. Burton REF - - Ron E. Fertile REK - - Robert E. Kyer RJS - - Rick J. Santos RWC - - Rodney W. Campbell SCM - - Susan C. Moellendick SCW - - Stephen C. West SLT - - Stephanie L. Tepe SPL - - Steve P. Learn TLD - - Teresa L. Davis VC - - Vicki Collier WCD - - Wade C. Dawson

ORGANIC QA/QC



KEMRON ENVIRONMENTAL SERVICES MARIETTA, OH QUALITY CONTROL SUMMARY / PCB WATER , REAR

INSTRUMENT: HP10

ANALYST: MLS

BLK FLNM: 011R0101

SMPL ID: NA SMPL FLNM: NA

EXT'N DATE: 6/20/97 EXT'N BENCH SHT : V75P88

RUN DATE : 6/25/97

LCS FLNM: 012R0101

MS FLNM : NA

EXT'N WORK GRP: WG24668

ANAL WORK GRP: WG24936

LCS Dup FLNM: 013R0101

MSD FLNM: NA

			CONCENTR	ATION .	ua/L						% RECOVER	Y					PERCENT	
1 .				LCS						LCS			*******		MS/MSD	LCS/LCS Dup	MS/MSD	RPD
COMPOUND	RDL	Blank	LCS	Dup	Sample	MS	MSD	Blank	LCS	Dup	LCS Limits	Sample	MS	MSD	Advisory Limits	RPD	RPD	Advisory Limits
			FTCE \$4.55				-278 iii		****			(COMMON			*** *********************************			1.3 S. 1.3 L. 1.2 S. 1.3
AROCLOR 1016	0.50	ND	NA	NA.	ND	NA	NA	NA .	NA	NA	48-125	NA	NA.	NA	48-125	NA .	NA	0-40
AROCLOR 1221	0.50	ND	M	NA .	NO	NA .	NA .	NA .	NA .	NA	NA .	NA .	M	NA .	M	NA .	NA .	NA .
AROCLOR 1232	0.50	ND	NA	NA.	ND	NA.	NA Second	NA.	NA .	NA SALS	NA .	NA NA	NA	NA.	NA	NA.	NA.	NA
AROCLOR 1242	0.50	ND	NA .	NA .	ND	NA .	NA -	NA .	NA .	NA S	NA .	NA	NA .	NA NA	NA	NA.	NA .	NA .
AROCLOR 1248	0.50	ND	9.00	8.97	ND	NA.	NA .	NA .	90.0	89.7	NA .	NA.	NA.	NA	NA.	0.30	NA	NA.
AROCLOR 1254	1.00	ND	NA	NA	ND	NA	NA	NA	NA .	NA .	NA.	NA .	NA	NA	NA	NA	NA .	NA .
AROCLOR 1260	1.00	ND	NA.	NA	ND	NA.	NA .	NA .	NA .	NA.	59-122	, NA	NA.	NA.	59-122	NA NA	NA	0-40
	********	25462389			20 B 0804			VIJI KASSIDI	Niim taras			[H] [L.	1. 58/7	14.17.44.44.44.49			0. g). 1 1 1 1 1 1 1 1 1 1	<u>r e in James, r</u>
SURROGATES											<u> </u>	ļ ,				ļ		
	200000000000000000000000000000000000000	100000000000000000000000000000000000000	5047640004, 11100	v Janean seve	000000000000000000000000000000000000000	entrantantan menerin	e anno seconoses.		150.000000000	are to the second of	500 800 000000 0000		· - 505050505050	one an incommensative	population decide de la	000000000000 M N N N N N M	roserour 10 ili	ee. The track territor
2,4,5,6-TETRACHLORO-M-XYLENE		0.304	0.330	0.301	NA .	NA .	NA .	60.8	66.0	60.2	13-154	NA	NA:	NA .	13-154			
DECACHLOROBIPHENYI.		0.483	0.463	0.530	NA	NA	NA	96.6	92.6	106.0	25-140	NA	NA	NA	25-140			
											<u> </u>				<u> </u>	<u> </u>		

NOTES & DEFINITIONS:

LCS, MS & MSD spiked at 10 ug/L SURROGATES spiked at 0.5 ug/l.

MS=MATRIX SPIKE

DL = DILUTED OUT

NA = NOT APPLICABLE

ND = NOT DETECTED

RDL=REPORTING DETECTION LIMIT

LCS=LABORATORY CONTROL SAMPLE

*

MSD=MATRIX SPIKE DUPLICATE



Nº 82767

Project Contact: TRICIA SYHO Turn Around Requirements: 5 (an Clard) Project No.: Project Name Anc Wo Sampler (print): 1. Bon; Ruld T. Sutton Sample 1.D. No. WT5-T WT5-T WT5-L WT5-L WT5-L WT5-L	(7d	ay)	To co	Time 9:10 7:10 7:10	Protoc CWA S	col W846	CCC NUMBER OF SAMPLES	Hold	XXXXPCBs(8081)											ADDITIONAL REQUIREMENTS CALUTERASI CALUTERASI SESRECTION
Relinquished by: (Signature) Relinquished by: (Signature) 'Homogenize all composite samples prior	to analysis	Date Date	Time	Received Received Signature	for Laborat	ory by:		(CO)	X	pate (a)	~	Re S	emark enco	si Rep Si te	Part U	Time	(5	qui for	nte)	. Basic (months eigh Sutkn ch Sample 10 osi ti